



Level 1: Measurement and Data Midtest

Question 1:

A veterinarian prescribes 0.004 grams of medicine in one tablet.

How many milligrams of the medicine are in one tablet?

- a. 0.04 mg
- b. 0.40 mg
- c. 4 mg
- d. 40 mg

Question 2:

What is the length, in feet, of a 100-yard football field?

- a. $8\frac{1}{3}$ ft
- b. $33\frac{1}{3}$ ft
- c. 300 ft
- d. 1200 ft

Question 3:

The model of a statue is 20 inches tall.

How tall is the model in feet?

- a. $\frac{3}{5}$ ft
- b. $1\frac{2}{3}$ ft
- c. 2 ft
- d. $6\frac{2}{3}$ ft

Continue ➡



Question 4:

In countries where the metric system is used, meat is sold in decagrams.

How many decagrams are in 450 grams of hamburger? (1 decagram = 10 grams)

- a. 0.45 decagrams
- b. 4.5 decagrams
- c. 45 decagrams
- d. 4,500 decagrams

Question 5:

The saying "a pint is a pound the world around" means that a pint of water weighs about 1 pound.

What is the weight of a gallon of water in pounds?

- a. 1 lb
- b. 4 lb
- c. 8 lb
- d. 16 lb

Question 6:

A wrench is made to fit a nut that is 1.8 centimeters wide.

How wide is the nut in millimeters?

- a. 0.018 mm
- b. 0.18 mm
- c. 18 mm
- d. 180 mm



Question 7:

An electrician needs to span a distance of 210 feet with wire to reach from the house to the power pole.

How many yards of wire does he need?

- a. 21 yd
- b. 70 yd
- c. 420 yd
- d. 630 yd

Question 8:

A pilot's flight plan requires him to fly 2 miles above the ground.

How many feet above the ground is the pilot required to fly? (5,280 feet = 1 mile)

- a. 2,640 ft
- b. 5,280 ft
- c. 10,560 ft
- d. 21,120 ft

Question 9:

The sales manager at Acme Auto says that a truck has a load capacity of $2\frac{1}{2}$ tons.

What is the load capacity of the truck in pounds?

- a. 250 lb
- b. 500 lb
- c. 2,500 lb
- d. 5,000 lb



Question 10:

The manager at the Acme Elementary School Cafeteria will order enough dough to make 3,500 pounds of pizza this year.

How many tons of pizza dough will the manager order?

- a. 0.7 tons
- b. $1\frac{3}{4}$ tons
- c. $3\frac{1}{2}$ tons
- d. 7000 tons

Question 11:

The entry lane onto a highway is 0.2 miles long.

How many feet long is the entry lane?

- a. 528 ft
- b. 1,056 ft
- c. 3,520 ft
- d. 26,400 ft

Question 12:

To dilute a small sample of liquid, a scientist adds 250 mL of pure water.

How many liters is 250 mL?

- a. 0.25 L
- b. 2.5 L
- c. 25 L
- d. 2500 L



Question 13:

In its first 3 weeks, a sunflower plant grew 73 centimeters.

How many meters did the plant grow in its first 3 weeks?

- a. 0.0073 m
- b. 0.073 m
- c. 0.73 m
- d. 7.3 m

Question 14:

Ms. Romero's new car holds 8 pints of engine oil.

How many quarts of engine oil does her car hold?

- a. 2 qt
- b. 4 qt
- c. 8 qt
- d. 16 qt

Question 15:

Mark needs 500 milliliters of water for an experiment.

How many liters of water does he need for the experiment?

- a. 5 L
- b. 0.5 L
- c. 0.05 L
- d. 0.005 L



Question 16:

A fingernail grows about 35 millimeters each year.

About how many centimeters does a nail grow in a year?

- a. 0.035 cm
- b. 0.35 cm
- c. 3.5 cm
- d. 35 cm

Question 17:

Tyler has a one-gallon pitcher of lemonade.

How many $\frac{1}{2}$ -cup servings of lemonade can he make from the pitcher?

- a. 8
- b. 16
- c. 24
- d. 32

Question 18:

A geologist found an iron meteorite in the Nevada desert. It weighed 68.4 grams.

What is the weight of the meteorite in kilograms?

- a. 0.00684 kg
- b. 0.0684 kg
- c. 0.684 kg
- d. 6.84 kg

Continue ➡



Question 19:

Karen was 30 inches tall when she was two years old. She is 2 times as tall now.

How tall, in feet, is she now?

feet

Question 20:

Bonita's recipe calls for $\frac{1}{2}$ cup of tomato sauce for one pizza.

How many pizzas can Bonita make with 1 pint of tomato sauce?

pizzas

Question 21:

A baker bought 3 kilograms of flour. She used 1,200 grams of the flour to make cakes.

How many grams of flour does she have left?

grams